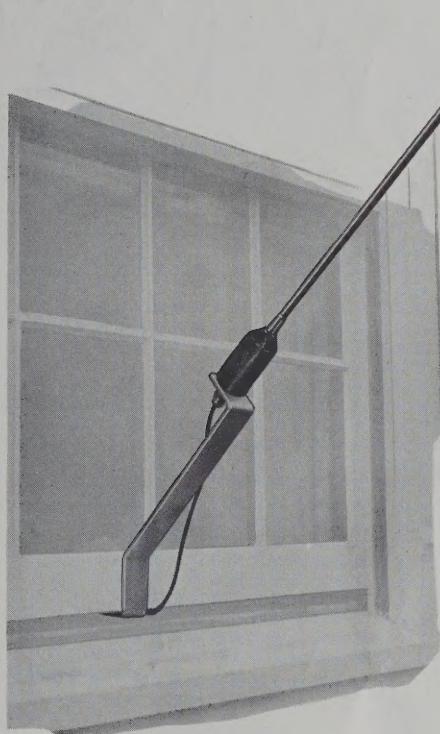




# "<sup>THE</sup> Vacationer"

## A PORTABLE ANTENNA

for 2 thru 20 Meters



The Vacationer has been designed as a highly efficient transmitting and receiving antenna for the traveling amateur. It can be installed and disassembled in minutes — it is the answer to operation at motels, hotels, and in apartment houses where the landlord has not been convinced that the appearance of his building will be improved by the addition of a ham antenna on the roof.

The Vacationer has provided excellent communication aboard various types of boats on which it has been installed.

The Vacationer has also found application for emergency communication work when conventional antenna systems have been put out of service through storm damage, etc. Low SWR on all bands. Fits into KWM2 Carrying Case.

### SPECIFICATIONS

**Power Rating** ..... SSB — 300 watts input PEP  
 CW — 180 watts input  
 AM Phone — 180 watts input

**Frequency Coverage** ..... 20, 15, 10, 6 and 2 meter amateur bands

**Whip Extended** ..... Maximum length — 57 inches

**Whip Retracted** ..... Minimum length — 18½ inches

**Weight** ..... 2 pounds complete with coils and counterpoise

PATENTS PENDING

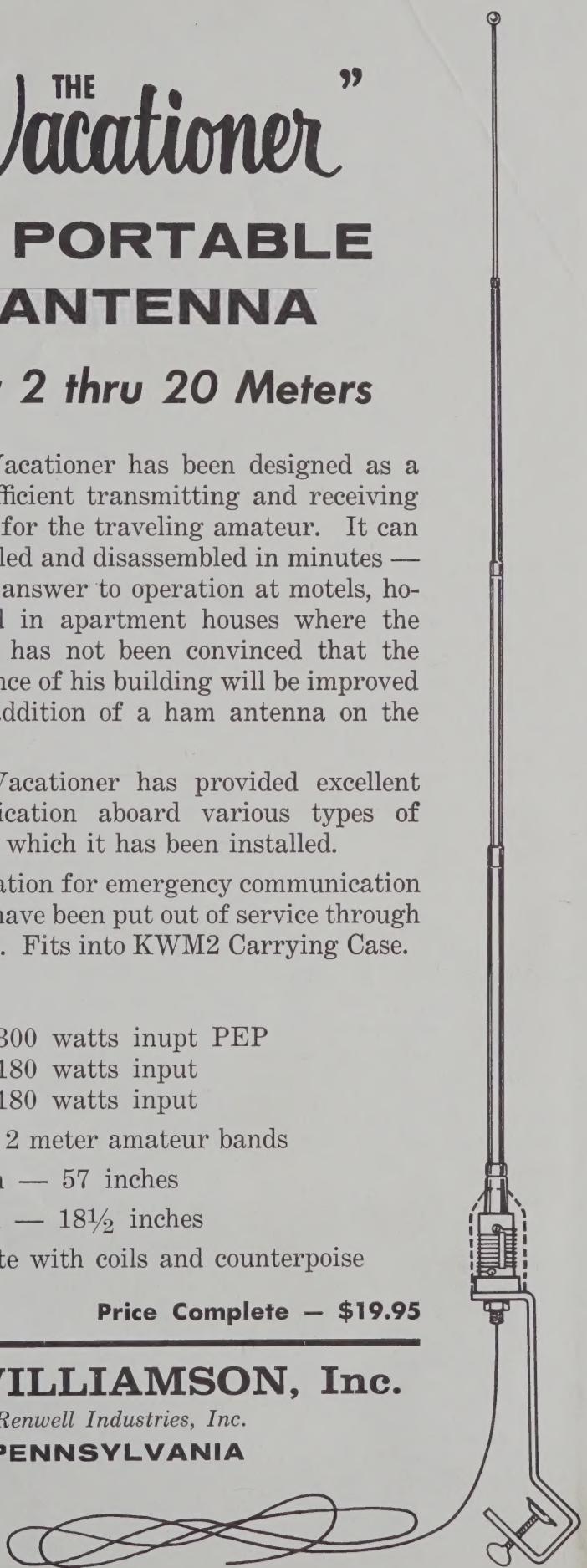
Price Complete — \$19.95

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**BARKER & WILLIAMSON, Inc.**

*A Subsidiary of Renwell Industries, Inc.*

**BRISTOL, PENNSYLVANIA**



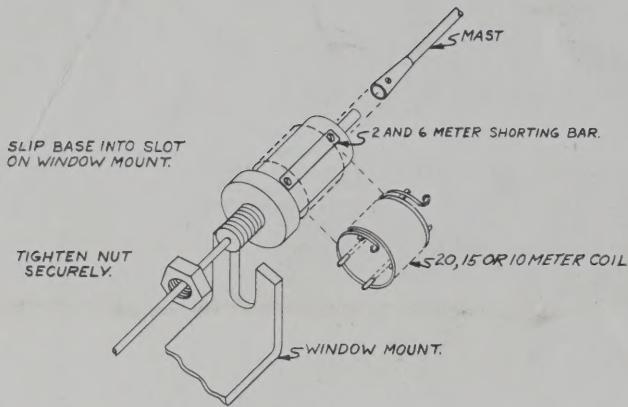


Figure 1. Base Details

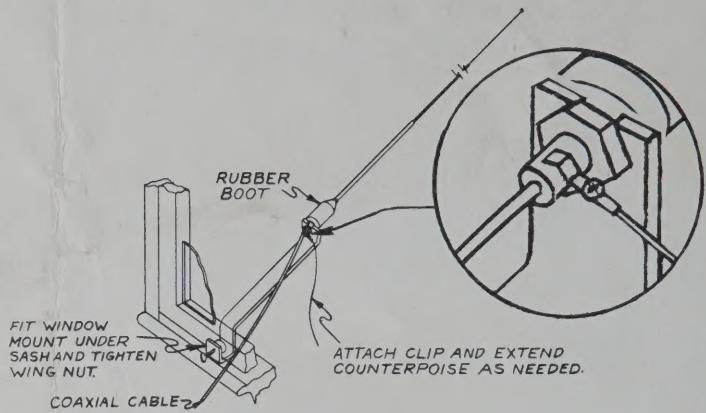


Figure 2. Window Mounting Details

### Installation (See Figs 1 & 2)

Remove all parts from packing carton. Attach and solder a connector fitting to the end of the coax feedline RG-58A/U which is permanently fixed to the whip mounting base. Connector is not furnished since various type connectors are used with different brand transmitters and transceivers. A suitable type, which is the counterpart of the output connector on your transmitter or transceiver, is required. Make sure that cable does not get shorted when fitting the connector to the end of the coax feedline.

Strip about a half inch of insulation from the end of the counterpoise (gray wire) closest to the 10 meter tag. Attach the wire to the large clip. Roll the opposite end of the counterpoise around your hand to form a loop until the desired band marker is reached.

Choose the loading coil or shorting strap for operation on the desired band and screw it to the base. With the large nut, mount the base on the window bracket. Place the whip on the other end of the base and tighten securely.

Extend the whip to full length, clip the counterpoise to the threads under the large nut and clamp window bracket to the window. If the window is metal, insulate the bracket from the window. Two pieces of cardboard may be used to insulate the bracket.

### Operation

The antenna is designed to operate in the 20, 15, 10, 6 and 2 meter bands, as follows:

#### 20 meter band:

Roll up the counterpoise, two loops around the hand. Attach 20 meter coil to base, whip extended full length.

#### 15 meter band:

Roll up counterpoise to 15 meter marker. Attach 15 meter coil to base, whip extended full length.

#### 10 meter band:

Roll up counterpoise to 10 meter marker. Attach 10 meter coil to base, whip full length.

#### 6 meter band:

Remove counterpoise. Attach shorting strap to base, whip full length. Ground window bracket.

#### 2 meter band:

Remove counterpoise. Attach shorting strap to base, whip completely collapsed. Ground window bracket.

### Operating Tips

For motel operation, the counterpoise may be laid on the floor. Best results will be obtained with the counterpoise at right angle to the antenna.

For rooms above the ground floor, slight improvement in operation can sometimes be noted by hanging the counterpoise outside, as close to the wall as possible.

For operation on a boat where the deck is metal, the counterpoise will have to be stretched two or three feet above the deck.

For those desiring optimum adjustment, the use of an SWR bridge is recommended. When using a bridge, the antenna is tuned by changing the length and/or position of the counterpoise until the lowest possible SWR reading is achieved. (The counterpoise length is changed by winding or unwinding the coil which is normally kept at hand size.)

### Operation with Fixed Pi-Network Output, Such as HT-32, HT-37, HW-32, Etc.

Change the length and/or position of the counterpoise until the transmitter is fully loaded.

### Counterpoise Lengths

These lengths are approximate and will change at different locations for a 1 to 1 match:

20 meters — 14 ft 7 in. (Phone band)

15 meters — 9 ft 6 in. (Phone band)

10 meters — 44 in. (Phone band)

For operation in the CW bands unwind about two additional turns of counterpoise.